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K S Group of Institutions



K. S. INSTITUTE OF TECHNOLOGY

An Autonomous Institution under VTU

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#14, Raghuvanahalli, Kanakapura Road, Bengaluru – 560109



DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

A Report on

Five days Faculty Development Program on “Intellectual Property Rights and Training on TRL & MRL”



Event Type	Faculty Development Program
Event Name	Faculty Development Program on “Intellectual Property Rights and Training on TRL & MRL”
Date/Duration	Five days -16th Feb 2026 to 20th Feb 2026
Inauguration Venue	Silver Jubilee Auditorium, KSIT
Session Venue	New Block seminar hall, ground floor
Mode	Offline

Introduction:

The Five-Day Faculty Development Program (FDP) on “Intellectual Property Rights and Training on TRL & MRL” was organized by the Department of Electronics and Communication Engineering, K. S. Institute of Technology from 16th to 20th February 2026. The program was designed to create awareness among faculty members about the significance of Intellectual Property Rights (IPR) in academic research and innovation. In the current era of rapid technological advancement, protecting intellectual assets has become essential for institutions and researchers.

The FDP aimed to provide a comprehensive understanding of patents, trademarks, copyrights, geographical indications, and design protection. It also focused on practical aspects such as prior art search, patent drafting, infringement, litigation, and commercialization strategies. Special sessions on Technology Readiness Level (TRL) and Manufacturing Readiness Level (MRL) helped participants understand the transition of research ideas from laboratory to industry.

Distinguished resource persons from Patent Office, IISc, TIFAC, and industry experts delivered expert lectures. The program combined theoretical knowledge with practical exposure, including a hands-on prior art search session. Overall, the FDP served as a valuable platform for enhancing faculty competency in IPR and technology commercialization.

Objectives of the FDP

The main objectives of FDP were

- To create awareness about Intellectual Property Rights among faculty members.
- Understand patent filing procedures and IP protection mechanisms.
- Provide knowledge on prior art search, TRL, and MRL frameworks.
- To guide faculty in converting research work into patentable and commercial assets.
- Promote innovation, IP management, and commercialization strategies in academia
- Create awareness about trademarks and branding.
- Understand copyright protection for academic and software works.
- Introduce Geographical Indications (GI) and design protection.
- Encourage innovation culture among faculty.

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Topics Covered:

- Overview of Intellectual Property Rights
- Converting Research and Project Work into Patents
- Patent Filing and Documentation Procedures
- Patent Search and Analytics
- Hands on sessions on Prior Art search
- Trademarks, Copyrights, GIs & Designs
- Industry-Institute Collaboration for Technology Commercialization
- Government schemes for IPR Promotion Technology Readiness level and manufacturing Readiness level

Registration link:

<https://forms.gle/4Kf3ea3CvHx6fy5w9>

OR



Registration amount of Rs.300 to be credited to the account given below:

Bank Name: UNION BANK
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FIVE DAYS
FACULTY DEVELOPMENT PROGRAM
on
INTELLECTUAL PROPERTY RIGHTS AND
TRAINING ON TRL & MRL
From 16th Feb – 20th Feb 2026
Organized by
Department of Electronics & Communication Engineering

in association with



Highlights of the FDP

Inaugural Ceremony

- Inspirational welcome by the Principal, Dr. Dilip Kumar K.
- Expert sessions delivered by officials from the Patent Office and industry professionals.
- Detailed discussions on patents, trademarks, copyrights, GI, and designs.
- Hands-on training on prior art search and patent databases.
- Insightful sessions on TRL, MRL, IP infringement, and litigation.
- Practical guidance on IP protection and commercialization strategies

Glimpse of the Inaugural Event



FDP Sessions Track Details



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Department of Electronics and Communication Engineering

Schedule for Five days Faculty Development Program on "Intellectual Property Rights and Training on TRL & MRI"
16th February 2026 to 20th February 2026

	SESSION	DETAILS
Day -1 Monday 16/02/2026	09:00AM to 09:45PM	Inaugural function
	09:45AM- 10.00AM TEA BREAK	
	Session -1 10:00AM to 12:15PM	Introduction to Intellectual Property Rights (IPR) Mr. C NAVEEN ANDREW Deputy Controller of Patents and Designs, Patent Office, Chennai
	12:15PM – 01:00PM LUNCH BREAK	
	Session 2 1:00PM to 2:30PM	Section 3 (k) - A detailed analysis Mr. C NAVEEN ANDREW Deputy Controller of Patents and Designs, Patent Office, Chennai
Day -2 Tuesday 17/02/2026	Session 3 10:00AM to 11:15AM	A Step-by-Step Guide for Securing Your Research through Indian and International Patent Procedures D.THYAGARAJA GUPTA Asst. Controller of Patents and Designs Patent Office, Chennai
	11:15AM- 11.30AM TEA BREAK	
	11:30AM to 12:30PM	Session contd..
	12:30PM – 01:30PM LUNCH BREAK	
	Session 4 01:30PM to 3:30PM	Nuances in Converting the Academic Research to Patent Specification D.THYAGARAJA GUPTA Asst. Controller of Patents and Designs Patent Office, Chennai

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Day -3 Wednesday 18/02/2026	Session 5 10:00AM to 11:15AM	Awareness Program on Technology Readiness level and Manufacturing Readiness level Dr. VIJAY SINGH IP Manager & Licensing IPTEL, IISC
	11:15AM- 11.30AM TEA BREAK	
	11:30AM to 12:30PM	Session contd..
	12:30PM – 01:30PM LUNCH BREAK	
Day -4 Thursday 19/02/2026	Session 6 01:30P to 3:30PM	IPRs Infringement and Litigation Mr. NAGARJUNA M G Patent Agent & Consultant IPTel, IISc
	Session -7 10:00AM to 11:15AM	Importance of Prior Art Search and Hands on session Mrs. VANISHREE MOJI SENIOR PATENT ANALYST, SIPP FACILITATOR, WOMEN SCIENTIST C-KIRAN IPR
	11:30AM to 12:30PM	Session contd..
	11:15AM- 11.30AM TEA BREAK	
Day -5 Friday 20/02/2026	Session 8 01:30PM to 3:30PM	IP Protection and Commercialization Mrs. SAHANA R IPR SCIENTIST, TIFAC PATENT AGENT & PATENT PROFESSIONAL
	12:30PM – 01:30PM LUNCH BREAK	
	Session 9 10:00AM to 11:15AM	From Ideas to assets: Trademarks, Copyrights Mr. MADHU K Co-Founder Golden IP Solutions
	11:30AM to 12:30PM	Session contd..
	11:15AM- 11.30AM TEA BREAK	
12:30PM – 01:30PM LUNCH BREAK		
Day -5 Friday 20/02/2026	Session 10 01:30PM to 03:30PM	GIs and Designs Mr. MADHU K Co-Founder Golden IP Solutions
	03:30PM to 04:00PM	Valedictory function

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Participants Details

A total of 51 participants attended the Five-Day Faculty Development Program. The participants included faculty members from various engineering colleges and different academic disciplines. Their active involvement and enthusiastic participation contributed significantly to the success of the FDP.

Invited Resource Persons and Session Summaries:

Day 1 – 16/02/2026

Session 1: Introduction to Intellectual Property Rights (IPR)

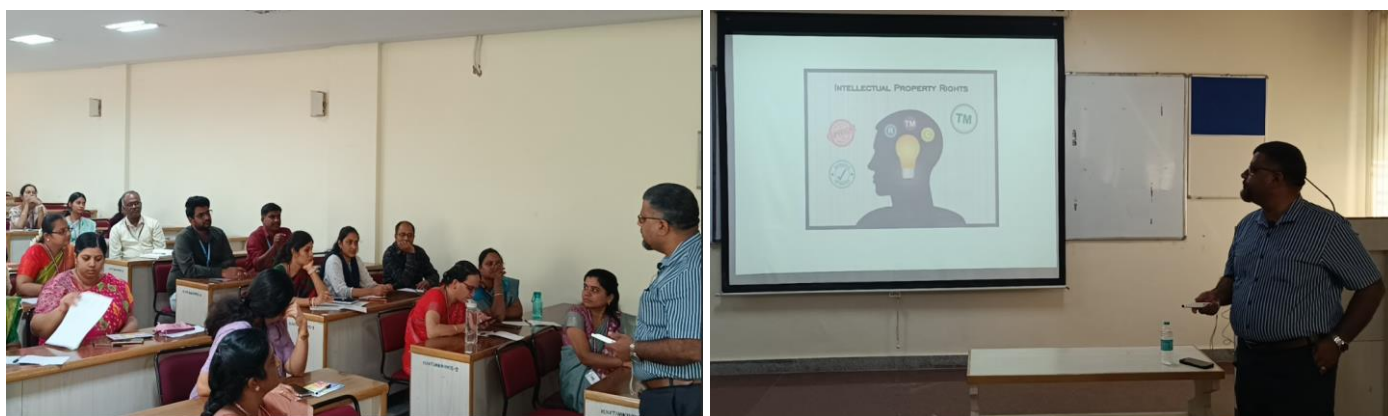
Resource Person: Mr. C. Naveen Andrew

Deputy Controller of Patents & Designs, Patent Office, Chennai

The session began with a comprehensive introduction to Intellectual Property Rights and their relevance in academia and industry. The speaker explained the different forms of IP such as patents, trademarks, copyrights, industrial designs, and geographical indications. The importance of protecting intellectual creations to encourage innovation and economic growth was emphasized. The fundamental criteria for patentability, including novelty, inventive step, and industrial applicability, were discussed in detail.

The role of the Indian Patent Office and the process of filing a patent application were briefly introduced. The speaker highlighted common misconceptions regarding patent protection and clarified the difference between idea and invention. The importance of maintaining confidentiality before filing was stressed. Real-world examples were used to make the session interactive and relatable.

He also explained the significance of IPR in academic institutions and how faculty members can contribute to building a patent culture. The session encouraged researchers to think beyond publication and consider protection strategies. Participants gained a foundational understanding necessary for subsequent sessions. The lecture set a strong base for understanding advanced IP topics covered during the FDP.





Session 2: Section 3(k) – A Detailed Analysis

Resource Person: Mr. C. Naveen Andrew

This session focused on Section 3(k) of the Indian Patent Act, particularly addressing software-related inventions. The speaker explained why computer programs per se are excluded from patentability. He elaborated on the concept of “technical effect” and “technical advancement” required to overcome objections. Practical examples were provided to illustrate acceptable and non-acceptable claims.

The importance of drafting claims carefully to highlight technical contribution was emphasized. Case references and examination practices followed by the Patent Office were discussed. The session clarified the distinction between algorithms, business methods, and patentable technical inventions. Participants understood how to avoid common objections during examination.

The speaker also discussed recent trends in patent filings related to AI and software technologies. He emphasized the need for proper documentation and technical disclosure. The session provided clarity on statutory exclusions and their practical implications. Faculty members gained valuable insights into handling software-related patent applications effectively.

Day 2 – 17/02/2026

Session 3: Step-by-Step Guide for Securing Research through Indian & International Patent Procedures

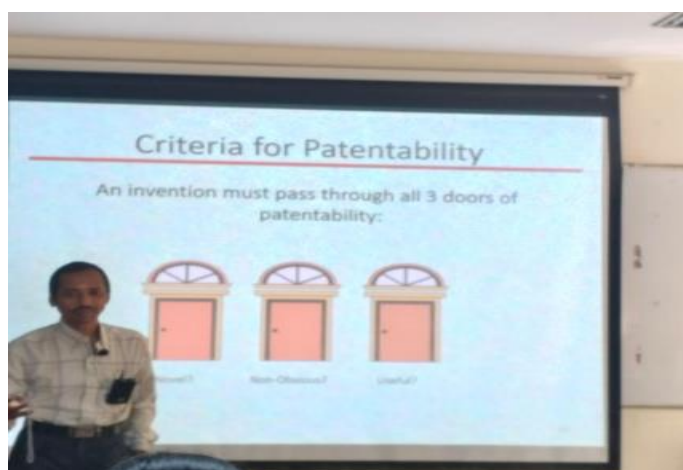
Resource Person: D. Thyagaraja Gupta

Assistant Controller of Patents & Designs

The session provided a detailed explanation of patent filing procedures in India and abroad. The speaker explained the stages from filing provisional specification to grant of patent. Timelines for publication, examination request, and response to objections were clearly outlined. The concept of priority date and its importance was emphasized.

International filing routes including PCT applications were introduced. The procedural requirements and documentation involved were explained systematically. The speaker highlighted cost considerations and strategic filing decisions for global protection. Common errors in patent filing were discussed to help avoid rejection.

He also discussed the importance of claim drafting and responding effectively to examination reports. The session clarified the difference between national and international patent filing strategies. Faculty members gained confidence in understanding procedural aspects. The discussion encouraged participants to plan patent filings strategically for long-term protection.



Session 4: Nuances in Converting Academic Research to Patent Specification

Resource Person: D. Thyagaraja Gupta

This session focused on transforming academic research into patentable subject matter. The speaker explained the difference between research publications and patent documents. He emphasized that patents require clear definition of claims and protection scope. The importance of describing embodiments and technical advantages was discussed.

Participants were guided on structuring background, summary, and detailed description sections. The risk of publishing research before patent filing was highlighted. The speaker stressed the importance of confidentiality and timing. Practical drafting tips were provided to strengthen patent applications.

He explained how to identify core inventive concepts within research work. The session bridged the gap between theoretical research and practical IP protection. Participants understood the need to think from a legal and commercial perspective. The session was highly beneficial for faculty actively involved in research projects.

Day 3 – 18/02/2026

Session 5: Awareness on TRL & MRL

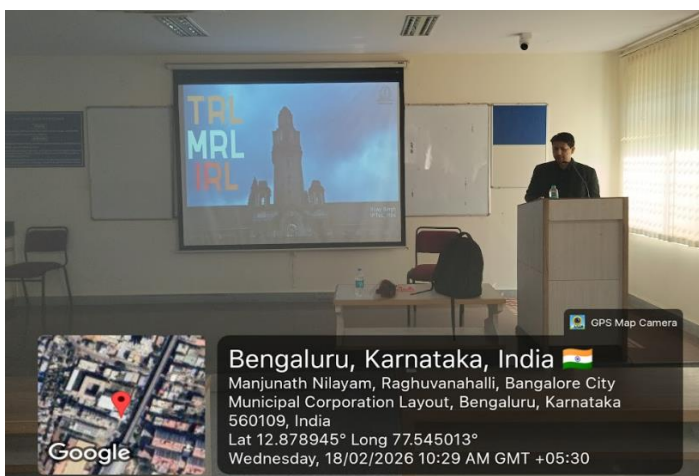
Resource Person: Dr. Vijay Singh

IP Manager & Licensing IPTEL, IISC

The session introduced the framework of Technology Readiness Level (TRL) and Manufacturing Readiness Level (MRL). The speaker explained different TRL stages from basic research to full commercialization. The importance of prototype validation and testing was highlighted. TRL assessment was linked to funding and industry partnerships.

MRL concepts were discussed in relation to production scalability and manufacturing feasibility. The session emphasized evaluating both technical maturity and manufacturing preparedness. Practical examples demonstrated how technologies evolve through stages. The speaker highlighted the need for documentation and validation reports.

The importance of aligning TRL with commercialization strategy was stressed. Participants learned how to assess readiness objectively. The session encouraged faculty to consider industrial scalability early in research. It provided strategic insight into bridging academia and industry.



Session 6: IPR Infringement and Litigation

Resource Person: Mr. Nagarjuna M G

Patent Agent & Consultant IPTel, IISc

This session focused on patent infringement and legal enforcement mechanisms. The speaker explained direct and indirect infringement with examples. Legal remedies such as injunctions, damages, and account of profits were discussed. The importance of claim interpretation in litigation was emphasized. The role of courts in IP enforcement was explained. Participants were introduced to civil litigation procedures related to patent disputes. The speaker discussed practical challenges faced during enforcement. Case-based discussions made the topic practical and engaging.

He also highlighted preventive strategies to avoid infringement. The session emphasized maintaining proper documentation for legal defense. Faculty members gained awareness about legal risks and compliance. The session strengthened understanding of enforcement mechanisms.



Day 4 – 19/02/2026

Session 7: Importance of Prior Art Search & Hands-on Session

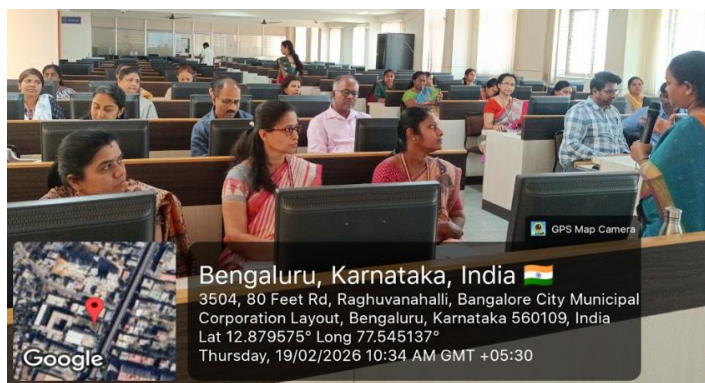
Resource Person: Mrs. Vanishree Moji

Senior Patent Analyst, Sipp Facilitator, Women Scientist C-Kiran IPR

The session highlighted the importance of conducting prior art search before filing patents. The speaker explained different patent databases and search techniques. Keyword search, classification search, and citation tracking were demonstrated. The concept of novelty assessment was clarified.

A hands-on session allowed participants to perform live patent searches. Practical exercises enhanced understanding of search strategies. The role of prior art in strengthening claims was discussed. The session emphasized avoiding duplication of research.

Participants learned how prior art search reduces rejection risks. The interactive format improved engagement. The speaker provided guidance on systematic search methodology. The session was highly practical and skill-oriented.



Session 8: IP Protection and Commercialization

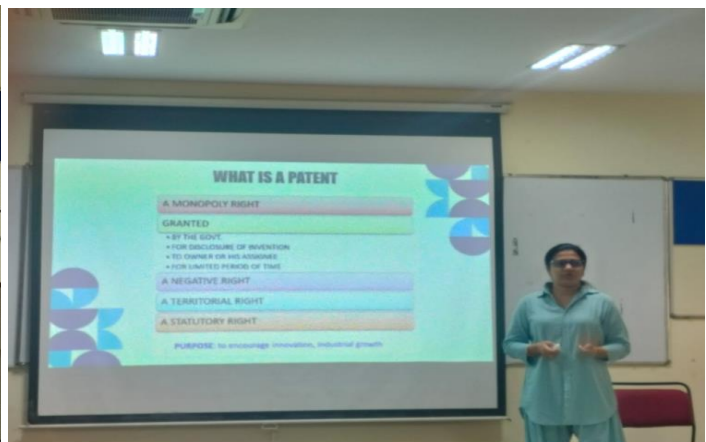
Resource Person: Mrs. Sahana R

IPR Scientist, TIFAC Patent Agent & Patent Professional

The session focused on strategies for protecting and commercializing intellectual property. The speaker discussed licensing models such as exclusive and non-exclusive licensing. The concept of technology transfer was explained. Commercialization pathways for academic institutions were highlighted.

Revenue generation through IP assets was discussed with practical examples. The role of startups and incubators was emphasized. The importance of market assessment before commercialization was explained. The speaker highlighted collaboration with industry partners.

Participants gained insight into converting patents into economic assets. The session emphasized strategic IP management. Faculty were encouraged to integrate commercialization planning early. The session strengthened understanding of innovation ecosystem.



Day 5 – 20/02/2026

Session 9: From Ideas to Assets – Trademarks & Copyrights

Resource Person: Mr. Madhu K

Co-Founder Golden IP Solutions

The session explained how ideas can be converted into legally protected assets. The process of trademark registration and classification system was discussed. The importance of branding for commercialization was emphasized. Copyright protection for literary and software works was explained.

Differences between trademark and copyright were clarified. The speaker provided practical examples of brand protection. The significance of identity and reputation in business was highlighted. The session emphasized protecting creative works.

Participants understood non-patent forms of IP. The session encouraged strategic use of trademarks in academic startups. Practical registration steps were explained. The session enhanced awareness of brand management.

Session 10: Geographical Indications (GI) & Designs

Resource Person: Mr. Madhu K

This session covered protection of geographical indications and industrial designs. The importance of protecting traditional products was discussed. The process of GI registration was explained. The speaker highlighted benefits for local communities.

Design protection focusing on aesthetic features was explained. Differences between design and patent protection were clarified. Case examples illustrated practical applications. The duration and scope of protection were discussed.

The session emphasized promoting indigenous products. Participants gained understanding of non-technical IP domains. The importance of preserving cultural heritage was highlighted. The session concluded the FDP on a comprehensive note.



Valedictory Function

The Five-Day Faculty Development Program concluded with a valedictory function held on 20th February 2026. The session marked the successful completion of the FDP on “Intellectual Property Rights and Training on TRL & MRL.” The valedictory ceremony was attended by the dignitaries, resource persons, organizing committee members, and participants.

The speakers appreciated the active participation and enthusiasm shown by the faculty members throughout the program. They highlighted the importance of integrating Intellectual Property Rights awareness into academic research and institutional practices. The need for developing a strong patent culture and promoting innovation-driven research was emphasized.

Participants shared their feedback and expressed that the sessions were informative, practical, and beneficial for their academic and research activities. The hands-on training and expert guidance were particularly appreciated. The program concluded with the distribution of certificates to all participants as a token of successful completion. The organizing committee extended heartfelt gratitude to all the resource persons for sharing their valuable knowledge and expertise. The valedictory function ended on a positive note, encouraging faculty members to actively apply the knowledge gained during the FDP in their future research endeavors.

Glimpse of the Valedictory Function



Conclusion

The Five-Day Faculty Development Program on “Intellectual Property Rights and Training on TRL & MRL” was highly informative and impactful. The program successfully enhanced the understanding of Intellectual Property Rights among faculty members and emphasized the importance of protecting research outcomes. Through expert lectures and interactive sessions, participants gained clarity on patents, trademarks, copyrights, geographical indications, and design protection. The sessions on prior art search, patent drafting, infringement, and litigation provided practical insights into the legal and procedural aspects of IP management. The awareness program on Technology Readiness Level (TRL) and Manufacturing Readiness Level (MRL) helped faculty understand how to evaluate the maturity of technologies and prepare them for commercialization. The hands-on training session strengthened participants’ practical skills in conducting patent searches. Discussions on licensing and commercialization encouraged faculty to view research not only as academic output but also as a potential economic asset.

Overall, the FDP achieved its objectives by bridging the gap between research, protection, and commercialization. The program fostered an innovation-driven mindset and encouraged faculty members to actively contribute to building a strong IP culture within the institution. The knowledge gained through this FDP will significantly support future research initiatives and institutional growth.

EO-PO Mapping

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PSO1	PSO2
Faculty Development Program on “Intellectual Property Rights and Training on TRL & MRL”	3	2	3	2	3	2	3	2	3	2	2	3	2

Coordinator

HOD-ECE

Principal